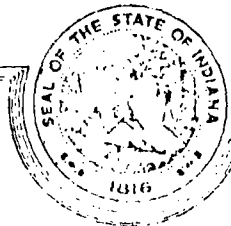


STATE OF INDIANA



INDIANAPOLIS 46206

STREAM POLLUTION CONTROL BOARD

1330 West Michigan Street
633-5167

September 29, 1977

Hon. William H. Hudnut, Mayor
City of Indianapolis
City-County Building
Indianapolis, Indiana 46204

EPA Region 5 Records Ctr.



321239

976736

Dear Mayor Hudnut:

Re: Approval of Sludge Disposal
On Boone County Farmland

You are hereby notified that the Indiana Stream Pollution Control Board is giving its approval of the use of 5,120 acres, more or less, of farmland located in Boone County for the land application of sludge as preliminarily approved by the Board on April 19, 1977.

The proposal includes the removal of digested sludge from the storage lagoons located at the Belmont sewage treatment plant so that adequate space is available to construct advanced wastewater treatment facilities. The sludge will be trucked to farmland where application will take place by broad irrigation and subsurface injection through the use of six 3,150-gallon tank wagons and two 2,100-gallon truck-mounted tanks with five plows each. The sludge will be applied at a rate not to exceed one pound of cadmium per acre based upon the solids content of the sludge, as determined after homogenization of the lagoon contents. Prior to any application, the soil pH of the approved acreages will be adjusted to 6.5 through the application of lime.

The master reference number, owner, and acreage covered by this approval are as follows:

<u>Master List I.D. Number</u>	<u>Owner</u>	<u>Acreage</u>
1-1 through 1-5 1-7 through 1-23 1-30 and 1-31	Morton Farms, Inc.	978.2
4-1 through 4-9 and 4-11	non-responsive (Ex. 6)	162.2
6-6 through 6-9		140.1
7-4 through 7-18		424.5
9-1 through 9-5 9-7 and 9-8	Ray Neese Farms, Inc.	435.1

<u>Master List I.D. Number</u>	<u>Owner</u>	<u>Acreage</u>
10-1 through 10-4 and 10-6	non-responsive (Ex. 6)	122.1
14-1 and 14-6 through 14-12	McDonald Farms, Inc.	259.6
15-1 and 15-4 through 15-8	Mennen Farms	590.6
22-1 through 22-3	non-responsive (Ex. 6)	66.3
23-1 through 23-16 and 23-24 through 23-31		775.8
24-1 and 24-2		85.1
25-1 and 25-4 through 25-6		109.4
32-1 through 32-12		515.5
33-1 through 35-13		388.9
38-1		67.1

This approval is given with the following conditions:

1. That only the amount of sludge that can be properly land applied be removed from the Belmont site until such time as temporary sludge storage lagoons are approved or all the remaining necessary acreage is acquired and approved.
2. That all sludge which is applied by broadcast irrigation be disked into the soil within 72 hours after application.
3. That all application areas be adjusted to a soil pH of 6.5 prior to sludge spreading.
4. That a weekly report be made to the Water Pollution Control Division concerning the amount of sludge removed and applied and the acreage used for application.
5. That conditions number 2, 3, 5, 6, 7, 8, 9, 10, 11, and 12 of the approval letter of April 19, 1977, be complied with.
6. That a resident inspector be provided for supervision of this project.

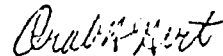
No material changes in the plans, construction, or operation of this project shall be made without first submitting to this office a detailed statement of such proposed changes or additions and obtaining approval.

This approval letter shall act as an SPC 15 operation permit.

Plans and specifications were prepared by Reid, Quebe, Allison, Wilcox and Associates, Inc., and submitted for approval on May 20, 1977; June 15, 1977; August 18, 1977; and September 26, 1977.

These approvals shall be void if construction is not begun before November 1, 1977.

Very truly yours,



Oral H. Hert
Technical Secretary

MJEsarey/jmt

cc: Reid, Quebe, Allison, Wilcox & Associates, Inc.
Department of Public Works
Marion County Health and Hospital Corporation
U.S. Environmental Protection Agency
Tousley, Bixler, Inc.
Organic Materials, Inc.
Boone County Health Department

STATE BOARD OF HEALTH
INDIANAPOLIS

OFFICE MEMORANDUM

TO: McKinley Thompson Demolition Site
(Lane Restoration)

DATE: November 4, 1977

THRU: 98d
DDJ
11/7/77

FROM: Dan Magoun *DM*
Solid Waste Management Section

SUBJECT: Site Survey of Proposed Site Restoration Project

On November 1, 1977, Guinn Doyle and I met with Mr. Michael Finton, Technosolve, to observe what closure procedures have been implemented for the closure of the McKinley Thompson Demolition Site now owned by Jack Lane of Lane Restoration.

It was observed that all stock piled demolition debris had been worked down and compacted. An ash and soil mixture being excavated from a top of No. 1 and 2 sewage lagoons at the Belmont STP was being applied to the exposed refuse areas.

Mr. Finton also explained a proposed surface drainage and retention area. The existing contour of the site diverts almost all surface water east of the power lines into a low area on the southeast edge of the fill. This low area is proposed to be where the retention pond will be constructed. In addition, a possibility of covering all exposed refuse with a lime slurry and/or fly ash mixture was discussed. This would provide a more impervious base and the lime should provide for some ion entrapment. We also discussed placing a lime slurry under all sewage sludge to increase pH and thereby reduce the chance of contaminants leaving the site.

Following our site survey we went to the Belmont STP to observe the sludge that is proposed to be deposited to the McKinley Thompson site as a final cover. The sludge was observed to be quite dry and did appear to shed water.

Our recommendation to Mr. Finton was to submit additional information including a procedural plot plan and/or narrative outlining the procedural steps that will be involved in a final covering of this community eyesore.

On November 3, 1977, I phoned Mr. Finton requesting information concerning the PCB content of the incinerator ash that is being deposited at the site. Mr. Finton had Dick Lane hand carry an EPA analysis to me which indicates that the ash is acceptable for disposal at the above site. The analysis is attached.

DMagoun/kmd
Attachment